Rock Creek Park,
Accuracy Assessment Metadata

Identification_Information:
  Citation:
    Citation_Information:
      Originator: U.S. Geological Survey
      Originator: Department of the Interior
      Publication_Date: 1998
      Title: Rock Creek Park Accuracy Assessment
      Geospatial_Data_Presentation_Form: database and report
      Series_Information:
        Series_Name: USGS-NPS Vegetation Mapping Program
        Issue_Identification: Rock Creek Park
      Publication_Information:
        Publication_Place: Denver, CO
        Publisher:
          USGS Biological Resources Division, Center for Biological Informatics
      Online_Linkage: http://biology.usgs.gov/npsveg/rocr/index.html#accuracy_assessment_info
  Description:
    Abstract:
      The accuracy assessment field work was performed in 1998 to verify the accuracy of the vegetation communities spatial data developed by the USGS-NPS Vegetation Mapping Program for Rock Creek Park. The data points were randomly chosen using ArcView random sampling routine according to vegetation association over the project area according to protocols developed by the Program. Points were located by GPS navigation and the community information was collected at the point, without knowledge of the attributes of the vegetation spatial data.
    Purpose:
      To verify the accuracy of the mapped vegetation communities at Rock Creek Park.
  Time_Period_of_Content:
    Time_Period_Information:
      Single_Date/Time:
        Calendar_Date: 1998
    Currentness_Reference: Source of data collection
  Status:
    Progress: Complete
    Maintenance_and_Update_Frequency: None planned
  Spatial_Domain:
    Bounding_Coordinates:
      West_Bounding_Coordinate: 77.1
      East_Bounding_Coordinate: 77
      North_Bounding_Coordinate: 38.98333
      South_Bounding_Coordinate: 38.9
    Description_of_Geographic_Extent: Rock Creek Park, Washington D.C. and environs.
  Keywords:
    Theme:
      Theme_Keyword_Thesaurus: None
      Theme_Keyword: National Park Service
      Theme_Keyword: U.S. Geological Survey
      Theme_Keyword: vegetation classification
      Theme_Keyword: accuracy assessment
      Theme_Keyword: sampling plots
      Theme_Keyword: alliance
      Theme_Keyword: association
    Place:

Place_Keyword_Thesaurus: None
Place_Keyword: Washington D.C.
Place_Keyword: Rock Creek Park
Place_Keyword: USA
Taxonomy:
Keywords/Taxon:
Taxonomic_Keyword_Thesaurus: None
Taxonomic_Keywords: National Vegetation Classification System
Taxonomic_System:
Classification_System/Authority:
Classification_System_Citation:
Citation_Information:
Originator:
United States Department of the Interior Biological Resources Division and National Park Service
Publication_Date: 19941101
Title:
Standardized National Vegetation Classification System
Edition: Version 1
Geospatial_Data_Presentation_Form: Classification System
Series_Information:
Series_Name: USGS/NPS Vegetation Mapping Program
Issue_Identification: Final Draft
Publication_Information:
Publication_Place: Redlands, California
Publisher: ESRI
Other_Citation_Details: Prepared by the Nature Conservancy
Identification_Reference:
Citation_Information:
Originator:
United States Department of the Interior Biological Resources Division and National Park Service
Publication_Date: 19941101
Title:
Standardized National Vegetation Classification System
Edition: Version 1
Geospatial_Data_Presentation_Form: Classification System
Series_Information:
Series_Name: USGS/NPS Vegetation Mapping Program
Issue_Identification: Final Draft
Publication_Information:
Publication_Place: Redlands, California
Publisher: ESRI
Other_Citation_Details: Prepared by the Nature Conservancy
Taxonomic_Procedures:
See "Photo Interpretation Report, BRD/NPS Vegetation and Inventory and Mapping Program, Rock Creek Park," October 1, 1998 <http://biology.usgs.gov/npsveg/rocr/pi_rpt.pdf>
Taxonomic_Completeness: Complete
General_Taxonomic_Coverage:
Vegetation Alliances of the National Vegetation Classification System (October 1995)
Taxonomic_Classification:
Taxon_Rank_Name: Kingdom
Taxon_Rank_Value: Plantae
Access_Constraints: None
Use_Constraints:
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dissemination, citation or credit should be given to the U.S. Geological Survey and the National Park Service.

Point_of_Contact:
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Contact_Person: USGS-NPS Vegetation Mapping Program Coordinator
Contact_Organization: Center for Biological Informatics, USGS-BRD
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Contact_Facsimile_Telephone: 303-202-4219 (org)
Contact_Electronic_Mail_Address: gs-b-npsveg@usgs.gov
Browse_Graphic:
Browse_Graphic_File_Name: http://biology.usgs.gov/npsveg/rocr/images/rocraa.jpg
Browse_Graphic_File_Description:
106 kbyte file showing vegetation associations and location of accuracy assessment points
Browse_Graphic_File_Type: JPG
Native_Data_Set_Environment: text file

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report:
The attributes for the accuracy assessment were recorded in the field in 1998. Vegetation associations were identified based on the field key and plant identification. If additional communities were found within a 50 meter radius of the plot center, they were recorded as well
Logical_Consistency_Report:
All attributes are codes that correspond to vegetation communities and have been checked for topographical and logical errors.
Completeness_Report:
All points were collected and analyzed. Several points fell outside the mapping area, so were discarded.
Positional_Accuracy:
Horizontal_Positional_Accuracy:
Horizontal_Positional_Accuracy_Report:
X,Y UTM coordinates representing each of the 265 plots were collected by P-code PLGR (Precise Lightweight GPS Receiver) receivers, with an accuracy ranging from +/- 10 m. to +/- 30 m. based on 60 second averaging at each point.
Vertical_Positional_Accuracy:
Vertical_Positional_Accuracy_Report: Not applicable
Lineage:
Methodology:
Methodology_Type: Field
Methodology_Identifier:
Methodology_Keyword_Thesaurus: None
Methodology_Keyword: Accuracy Assessment
Methodology_Description:
Data points were located by use of a PLGR GPS receiver. Vegetation communities were identified on the basis of a dichotomous field key and plant species present.
Methodology:
Methodology_Type: Lab

Methodology_Identifier:
Methodology_Keyword_Thesaurus: None
Methodology_Keyword: Accuracy Assessment
Methodology_Description:
Accuracy assessment points were compiled into an ARCINFO point coverage and intersected with the vegetation community coverage. The resulting INFO file was exported into a text file, imported into a spreadsheet, and the attributes from the accuracy assessment and the spatial data were compared. If the attributes did not compare, an analysis of the mismatch was made and either the AA attribute or the map attribute was changed based on identification of the community on the aerial photo.
Source_Information:
Source_Citation:
Citation_Information:
Originator: U.S. Geological Survey - Biological Resources Division
Originator: U.S. National Park Service
Originator: Department of the Interior
Publication_Date: 199411
Title: Accuracy Assessment Procedures, USGS/NPS Vegetation Mapping Program
Geospatial_Data_Presentation_Form: procedures document
Publication_Information:
Publication_Place: Denver, CO
Publisher:
USGS, Biological Resources Division, Center for Biological Informatics
Other_Citation_Details:
Prepared by: Aerial Information Systems; Redlands, CA and
The Nature Conservancy, Arlington, VA under contract from
U.S. Geological Survey Biological Resources Division and
National Park Service.
Type_of_Source_Media: electronic document
Source_Time_Period_of_Content:
Time_Period_Information:
Range_of_Dates/Times:
Beginning_Date: 199411
Ending_Date: Present
Source_Currentness_Reference: publication date
Source_Citation_Abbreviation: Accuracy Assessment Procedures Document
Source_Contribution:
This document established the procedures and protocols for the accuracy assessment at Rock Creek Park.
Source_Information:
Source_Citation:
Citation_Information:
Originator: U.S. Geological Survey
Originator: Department of the Interior
Publication_Date: 19961029
Title:
Rock Creek Park Spatial Vegetation Data: Cover type / Association level of the National Vegetation Classification System
Geospatial_Data_Presentation_Form: report
Series_Information:
Series_Name: USGS-NPS Vegetation Mapping Program
Issue_Identification: Rock Creek Park
Publication_Information:
Publication_Place: Denver, CO
Publisher:
USGS, Biological Resources Division, Center for

Biological Informatics
Other_Citation_Details:
Created in large part by Aerial Information Systems Redlands, CA under contract rom USGS/BRD/CBI.
Type_of_Source_Media: Disc
Source_Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 19950725
Source_Currentness_Reference: ground condition
Source_Citation_Abbreviation: Spatial data of vegetation communities for Rock Creek Park.
Source_Contribution:
The vegetation spatial data were tested for accuracy with the AA data.
Process_Step:
Process_Description:
The accuracy assessment field work was performed in 1998 to verify the accuracy of the vegetation communities spatial data developed by the USGS-NPS Vegetation Mapping Program for Rock Creek Park. The data points were randomly chosen using ArcView random sampling routine according to vegetation association over the project area according to protocols developed by the Program. Points were located by GPS navigation and the community information was collected at the point, without knowledge of the attributes of the vegetation spatial data.
Source_Used_Citation_Abbreviation: Spatial data of vegetation communities for Rock Creek Park.
Source_Used_Citation_Abbreviation: Accuracy Assessment Procedure Document
Process_Date: 1998

Spatial_Data_Organization_Information:
Indirect_Spatial_Reference:
The ecology field sites were digitized to indicate the area for which a TNC ecologist conducted an ecological field sampling.
Direct_Spatial_Reference_Method: Point
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Point

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Grid_Coordinate_System:
Grid_Coordinate_System_Name: Universal Transverse Mercator
Universal_Transverse_Mercator:
UTM_Zone_Number: 18
Transverse_Mercator:
Longitude_of_Central_Meridian: -180
Latitude_of_Projection_Origin: -90
False_Easting: 50000
False_Northing: 0
Scale_Factor_at_Central_Meridian: 0.9996
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:
Abscissa_Resolution: 1
Ordinate_Resolution: 1
Planar_Distance_Units: Meters
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1983
Ellipsoid_Name: Geodedic Reference System 80
Semi-major_Axis: 6378137

Denominator_of_Flattening_Ratio: 298.257
Vertical_Coordinate_System_Definition:
Altitude_System_Definition:
Altitude_Datum_Name: North American Vertical Datum of 1988
Altitude_Resolution: 1
Altitude_Distance_Units: Feet
Altitude_Encoding_Method: Explicit elevation coordinate included with horizontal coordinates

Entity_and_Attribute_Information:
Overview_Description:
Entity_and_Attribute_Overview:
The National Vegetation Classification Standard is organized hierarchically to support conservation and resource stewardship applications across multiple scales. The upper levels of the hierarchy are based on the physical form or structure of the vegetation (physiognomy) and have been refined from the international standards developed by the United nations Educational, Scientific, and Cultural Organization (UNESCO). The two most detailed levels of the hierarchy are based on the species composition of existing vegetation (floristics) and reflect the phyto-sociological standards that were originally developed by European ecologists. The vegetation classification is continually advanced through the collection and analysis of new field data and will be greatly strengthened during the course of the USGS-NPS mapping efforts. Data file attributes include species, alliance, community element, and land cover.
Entity_and_Attribute_Detail_Citation:
Grossman, D. Et al. 1994. National Park Service/ National Biological Service Vegetation Mapping Project, Standardized National Vegetation Classification System 209 pp.

Distribution_Information:
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Distribution_Liability:
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Standard_Order_Process:
Digital_Form:

Digital_Transfer_Information:
Format_Name: HTML
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:
Network_Resource_Name: http://biology.usgs.gov/npsveg/rocr/index.html#accuracy_assessment_info
Fees: None

Metadata_Reference_Information:
Metadata_Date: 200102
Metadata_Review_Date: 20060905
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: USGS-NPS Vegetation Mapping Program Coordinator
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Contact_Electronic_Mail_Address: gs-b-npsveg@usgs.gov
Metadata_Standard_Name: FGDC-STD-001.1-1999 Content Standard for Digital Geospatial Metadata, 1998 Part 1: Biological Data Profile, 1999
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Extensions:
Online_Linkage: http://biology.usgs.gov/fgdc.bio/bionwext.txt
Profile_Name: Biological Data Profile FGDC-STD-001.1-1999